

**Ratings**

Voltage: 300 V  
 Temperature: -25 to 80 °C  
 Flammability: VW-1

**Conductor**

Conductor count: 6  
 Gauge: 18 AWG 0.82 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\varnothing 0.16$  mm x 41  
 Resistance at 20 °C: 23.2  $\Omega$  /km max

**Insulator**

Material: PVC  
 Color: red, black, white, yellow, blue, green  
 Diameter:  $\varnothing 1.8 \pm 0.10$  mm  
 Nominal thickness: 0.29 mm  
 Resistance at 20 °C: 10 M $\Omega$  /km min

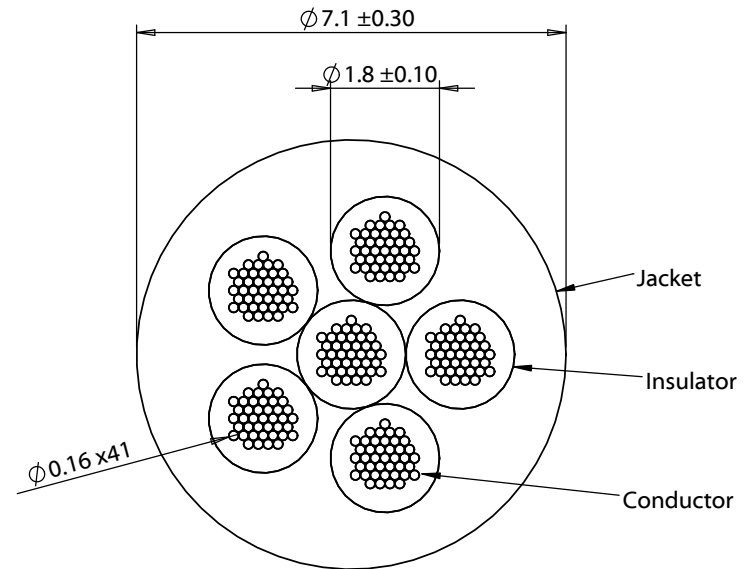
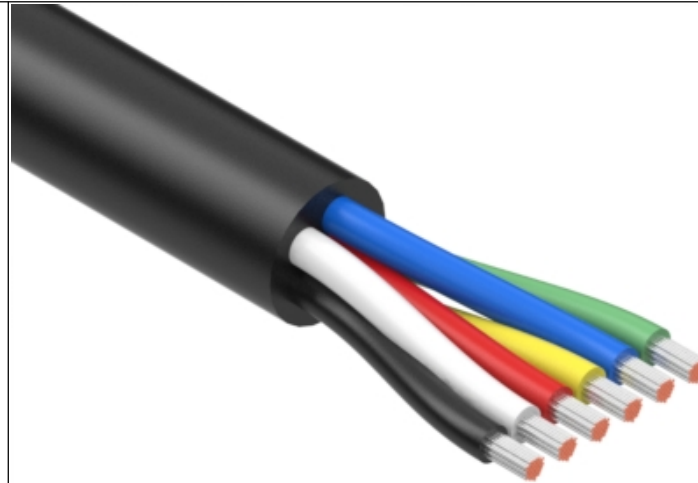
**Outer jacket**

Material: PVC  
 Color: black  
 Diameter:  $\varnothing 7.1 \pm 0.30$  mm  
 Nominal thickness: 0.85 mm

**Wire marking:** E339579 UL AWM STYLE 2464 18 AWG 80°C  
 300V VW-1 --- cUL AWM I/II A 80°C 300V FT1 TENSILITY

**Tests**

Insulation tensile strength: 2.11 kgf/mm<sup>2</sup>  
 Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 After aging at 113  $\pm 2$  °C for 7 days:  
 Minimum tensile strength 70 % original  
 Minimum elongation 65 % original  
 Heat shock: 121  $\pm 1$  °C /1 hour, no observed degradation  
 Deformation: 121  $\pm 1$  °C /1 hour,  $\leq 50$  %  
 Cold bend: -10  $\pm 2$  °C /1 hour, no observed cracking



Revision:	Date:	Description:	Prepared: AW <small>Digitally signed by AW Date: 2019.05.17 09:33:26 -07'00'</small>	Notes:	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	5/15/2019	Initial release	Verified: JP <small>Digitally signed by JP Date: 2019.05.17 09:53:06 -07'00'</small>	RoHS compliant  Function test: no open, no short circuit, no intermittent	
			Dimensions are in millimeters. Tolerances: X: $\pm 0.5$ mm X.X: $\pm 0.3$ mm X.XX: $\pm 0.05$ mm	Description:	Size: Part number:
				Wire, 6C TS, 18 AWG, UL2464, 300V, 80C, 7.1 mm, VW-1, PVC, 60P	A
				Scale: 8:1	Sheet 1 of 1

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